



**DEPARTMENT OF BUILDING SURVEYING
FACULTY OF ARCHITECTURE, PLANNING AND SURVEYING
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**THE IMPLEMENTATION OF ELECTRICAL ENERGY CONSERVATION
IN INDUSTRIAL AND COMMERCIAL BUILDINGS**

**This academic project is submitted in partial fulfillment of the
requirement for the Bachelor Of Building Surveying (Hons.)**

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INDUSTRIAL AND COMMERCIAL BUILDINGS

"I hereby declare that this academic project is the result of my own research
except for the quotation and summary which have been acknowledged"

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ABSTRACT

Electricity conservation is one method of energy savings besides using efficient electrical appliances, while enjoying the same level of functions and services. Electrical can be conserved through several ways. It can be conserved by the consumers themselves and also through the use of appliances that provide the conservation of electricity technologies. As such, by conserving energy in buildings and for building, it can contribute towards sustainability the environment.

This study enquiry regards that the implementation of electrical energy conservation system in industrial and commercial buildings has been well below par. Only few buildings are implementing the system to reduce their operational cost.

This study has defined two types of the electrical energy conservation system that have been used; namely electrical device implementation and building design with electrical device implementation. This study also establishes that lighting system and air-conditioning system contribute to the electrical wastage in case study buildings. This study also reveals that the production and office areas are using the electrical energy conservation system the most.

TABLE OF CONTENT

CHAPTER	TITLE	PAGE
	TITLE	i
	DECLARATION	iii
	DEDICATION	v
	ACKNOWLEDGEMENT	vi
	ABSTRACT	vii
	ABSTRAK	viii
	TABLE OF CONTENT	ix
	LIST OF FIGURE	xviii
	LIST OF TABLE	xxiv
	LIST OF EQUATION	xxvi
	LIST OF ABBREVIATION	xxvi
1	INTRODUCTION	
1.1	Introduction	1
1.2	Problem Statement	2
1.3	Significant of Study	4
1.4	Research Question	5
1.5	Research Objectives	6
1.6	Scope and Limitation	7
1.7	Dissertation Overview	9
1.8	Conclusion	11